

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

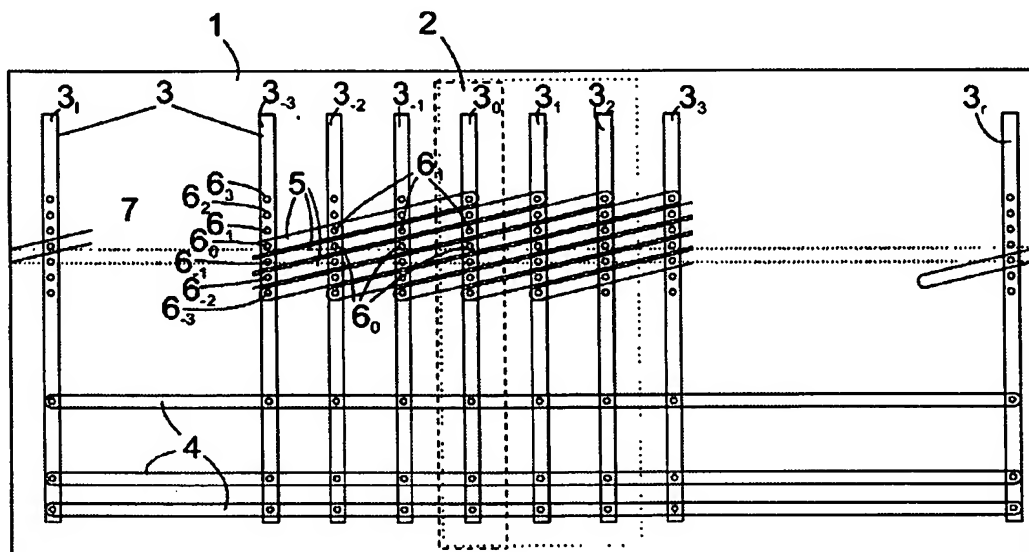
PCT

(10) International Publication Number
WO 2005/043968 A1

- (51) International Patent Classification⁷: **H05K 7/14**, (74) Agents: **COCKAYNE, Gillian et al.**; Marconi Intellectual Property, Crompton Close, Basildon Essex SS14 3BA (GB).
- (21) International Application Number: **PCT/EP2004/051440** (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: **9 July 2004 (09.07.2004)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data: **103 31 485.7** **11 July 2003 (11.07.2003)** **DE**
- (71) Applicant (for all designated States except US): **MARCONI COMMUNICATIONS GMBH [DE/DE]**; Gerberstrasse 33, 71520 Backnang (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **FISCHER, Juergen [DE/DE]**; Zwischenackerie 3/2, 71522 Backnang (DE). **GEIGER, Harald [DE/DE]**; Jaegersstrasse 18, 71566 Althausen (DE).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: **BACKPLANE HAVING A WIRED COUPLING BETWEEN CARD SLOTS**



(57) Abstract: A backplane for establishing a signal connection between a plurality of cards comprises a support (1) for signalling lines (4, 5) and a plurality of card slots (3) located on said support (1) in a predefined sequence for connecting a card. A plurality of signal-carrier contacts (6) is located at each card slot (3) according to a same pattern. At the card slots (3), at least two positions of contacts are defined such that a contact (60) at one of these two positions, referred to as the 0-th position, of each card slot (3) that has a successor in said sequence is connected to a contact at said other position (61) of said successor card slot, referred to as the first position, via the back-plane.

- *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.